

TX-NR727 7.2-Channel Network A/V Receiver



Transform Your Days and Nights with THX® Entertainment

Extract every last drop of performance from your home cinema budget with the THX® Select2 Plus™-certified TX-NR727. Three-Stage Inverted Darlington Circuitry for all seven channels ensures reference-level playback of your hi-res media. DSX® surround expansion, MultEQ® speaker calibration, and real-time Dynamic EQ® technology—all from class-leader Audyssey—treat the listener to a cinematic experience that's so realistic you can almost smell the popcorn. For music lovers, built-in Wi-Fi allows you to stream 192/24 hi-res, lossless, and compressed audio directly from smartphone and tablet, or from PC and NAS using our remote app to control playback. The app also enables quick selection of internet radio and streaming service channels. Or, if you prefer, simply pair and stream using onboard Bluetooth technology. To expand beyond the living room, a selection of powered outputs and line-outs are on hand for synchronised audio in up to three zones around the home. With eight 4K- and 3D-ready HDMI® inputs, two ARC-enabled outputs, and 4K video upscaling via Qdeo™ technology, the TX-NR727 takes its place at the very top of the class.

ADVANCED FEATURES

- THX® Select2 Plus™-Certified for Studio Reference Playback
- HDMI® Video Upscaling to 4K with Qdeo™ Processing Technology by Marvell
- 4K Passthrough from Compatible Source Devices via HDMI
- Built-in Wi-Fi-Certified Wireless LAN Capability
- Bluetooth Version 2.1 + EDR Capability (Compatible Profile: A2DP v1.2, AVRCP v1.3)
- Three-Stage Inverted Darlington Circuitry with Discrete Output Stage for All Channels
- Frontside MHL™ for 1080p Video and Stills from compatible Android Smartphone and Tablet
- Internet Radio and Music Streaming Service Connectivity (TuneIn Radio, Last.fm, Spotify, AUPEO!, and Simfy)*1
- Playback of Audio Files Over Wireless Home Network⁵ (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, Apple Lossless, DSD, LPCM², and Dolby® TrueHD)
- Supports Onkyo Remote Apps for iPod touch/iPhone³ and Android Devices⁴
- Picture-in-Picture Input Video Preview with InstaPrevue™ Technology
- Phase-Matching Bass Boost
- Audyssey MultEQ® for Room Acoustic Correction
- Audyssey DSX® and Dolby® Pro Logic® IIz Upmixing for Seven-Channel Surround Sound
- Overlaid On-Screen Display (OSD) via HDMI with Quick Set-Up and Home Menu
- Powered Zone 2 and Zone 2/3 Line-Out for Distributed Audio Playback in Multiple Rooms
- Hybrid Standby Power-Saving for Video and Network Connectivity in Standby
- Smart Grid-Ready

• Bi-Amping Capability for Front Channels

*1 Availability of services depends on region. Some services may require a firmware update. Availability of third-party services advertised here is accurate at the time of publication, but may be subject to change without notice. *2 LPCM is available via DLNA only. *3 Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. *4 Requires Android OS 2.1 or later. *5 Not all servers or players support all formats.

AMPLIFIER FEATURES

- 110 W/Ch RMS at 8 Ω, 20 Hz to 20 kHz, 0.08% THD, 2 Channels Driven (FTC)
- WRAT (Wide Range Amplifier Technology)
- H.C.P.S. (High Current Power Supply) Massive High-Power Transformer
- Discrete Output Stage Circuitry
- Optimum Gain Volume Circuitry
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology for S/PDIF Audio

PROCESSING FEATURES

- HDMI Support for 3D, Audio Return Channel, DeepColor™, x.v.Color™, LipSync, Dolby TrueHD, DTS-HD Master Audio™, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
- TI Burr-Brown 192 kHz/24-Bit DAC for All Channels
- Advanced 32-Bit Processing DSP Chip
- 4 DSP Modes for Gaming, Rock, Sports, Action, and RPG
- Advanced Music Optimizer for Compressed Digital Music
- Theater-Dimensional Virtual Surround Function
- Direct Mode
- Pure Audio Mode
- Double Bass Function
- Non-Scaling Configuration
- A-Form Listening Mode Memory

CONNECTION FEATURES

- 8 HDMI Inputs (1 Front/7 Rear) and 2 Outputs
- Front-Panel USB Port for Mass Storage Class Devices (Wide Selection of File Formats Supported)
- HDTV-Capable (720p/1080i) Component Video Switching (1 Input and 1 Output)
- 4 Composite Video Inputs and 1 Output
- 3 Digital Audio Inputs (1 Optical and 2 Coaxial)
- 6 Analog Audio Inputs
- Phono Input for Turntable Connection
- 2 Parallel Subwoofer Pre-Outs
- Colour-Coded, Banana Plug-Compatible Speaker Posts
- Headphone Jack

OTHER FEATURES

- Audyssey Dynamic EQ® for Loudness Correction
- Audyssey Dynamic Volume® Listening-Level Adjustment
- Independent Crossover Adjustment for Each Channel (40/50/60/70/80/90/100/120/150/200 Hz)
- A/V Sync Control (Up to 800 ms in 10 ms Steps at 48 kHz)
- Tone Control (Bass/Treble) for Front L/R Channels
- 3-Mode Display Dimmer (Normal/Dim/Dimmer, Volume Knob LED: On/Off)[†]
- RDS (PS/RT/PTY/TP)
- 40 FM/AM Random Presets
- Certified with DLNA Version 1.5
- Firmware Updates via Network and USB
- Aluminum Volume Control Knob
- Compatible with RI Dock for iPod/iPhone and AirPlay (DS-AS) optional
- RIHD (Remote Interactive over HDMI) for System Control
- Preprogrammed RI (Remote Interactive) Remote Control

[†]Note: Volume knob LED is always off when display is dimmed



TX-NR727 7.2-Channel Network A/V Receiver

THX® Select2 Plus™ for Reference-Level Sound

To be awarded THX Select2 Plus certification—the most rigorous performance benchmark for this type of product—the home cinema receiver must play at studio reference volume levels with minimal distortion. Select2 Plus is specified for screen-to-seat distances of three to four meters and room volumes of about 56 cubic meters.

Wi-Fi and Bluetooth Audio Streaming Technology

The TX-NR727 connects to the wireless home network without LAN cables or adapters. Send a huge range of hi-res, lossless, and compressed files to your home cinema from smartphone, PC, tablet, NAS, and online sources using our remote control app. Or pair devices for quality wireless streaming using the built-in Bluetooth technology.

Music Streaming and Internet Radio Services

The TX-NR727 comes preloaded with popular music streaming and internet radio services including Spotify, Last.fm, and TuneIn Radio. They're easily selectable using the receiver's GUI or the remote control app. Explore more than 10,000 radio stations and enjoy albums and playlists with theatre-fidelity sound.

Note: Availability of services depends on region. Some services may require a subscription and a firmware update. Availability of services advertised here is accurate at the time of publication, but may be subject to change without notice.

HDMI® for High Resolution Playback

The TX-NR727 features eight HDMI inputs to accept hi-res content from your media players and gaming consoles. HDMI enables Dolby® TrueHD and DTS-HD Master Audio™ audio formats, and supports 3D video. Two outputs are included to connect your HDTV and video projector.

Supports 4K Video Content

With 4K televisions, media players, and projectors hitting the market, it's reassuring to know your A/V receiver is compatible with this new technology. Passthrough of native 4K from source devices to an appropriate display is supported.

4K Video Upscaling via Qdeo™ Technology

The TX-NR727 uses Qdeo™ technology from Marvell to upscale standard video sources to brilliantly smooth 1080p (for regular HDTVs) and to an incredible 4K on compatible displays.

MHL™ for Mobile Phones and Tablets

A frontside HDMI/MHL terminal is included to connect smartphones and other electronic devices. MHL allows you to display 1080p video and other media on your HDTV with 7.1 channels of surround sound.

Quick and Easy Remote App Control

Our remote apps for iPhone and Android devices offer a convenient way to control your entertainment from anywhere within wireless range. The app offers a clear interface for managing content, settings, and playback across multiple zones.

Hassle-Free Video Switching

Switching between games, movies, and cable TV should be easy. InstaPrevue™ technology names your HDMI devices and displays video thumbnails of available content. Now you can switch sources without having to remember what device is connected where.

Overlaid Menus for Quick Adjustments

Touch the Quick Set-Up button on your remote to overlay menus in-program. You can now access useful settings without interruption to your viewing. The Home Menu, meanwhile, offers simple icons for choosing a media source, and more detailed system adjustment.

An Introduction to High-End Sound Quality

Onkyo's WRAT (Wide Range Amp Technology) includes discrete low-negative-feedback amplifiers for punchy, true-to-life sound; closed ground-loop circuits to reduce noise; and high instantaneous current to counter impedance fluctuations. Three-Stage Inverted Darlington Circuitry is used on all channels to handle reference-level playback without distorting.

Audyssey MultEQ®

MultEQ equalises your system to suit the unique shape of your room. Measuring six listening positions, MultEQ applies filters to satellites and subwoofers to create a perfectly balanced soundstage.

Audyssey Dynamic EQ®

Dynamic EQ solves the problem of deteriorating sound quality at low volume. It selects the best frequency response and surround levels moment-by-moment, resulting in an optimal listening experience at any volume.

Audyssey Dynamic Volume®

Audyssey Dynamic Volume® compensates for volume fluctuations in different audio content—for example, during noisy commercial breaks—and adjusts the volume in real time.

Audyssey DSX® and Dolby® Pro Logic® IIz for Expanded Surround Sound

Audyssey DSX lets you augment your setup with two Front Wide channels, expanding the width of the soundstage, or two Front Height speakers to add a vertical dimension to movies and games. Dolby Pro Logic IIz offers Front Height channels with 7.1-channel upmixing from stereo sources.

App-Controllable Multi-Zone Audio

The TX-NR727 features Powered Zone 2 outputs and Zone 2/3 line-outs. This lets you assign two channels to power audio in a room equipped with speakers. An existing hi-fi system in a third room can also be connected via the line-out, enabling the use of the A/V receiver as a pre-amp and audio server. Control content in all three zones via remote app; play the same song in all zones; or enjoy a different song in every room.

Phase-Matching Bass Enhancement

Onkyo's PM Bass optimises low frequencies while preserving mid-range clarity. It counters phase shifting (which can affect sound quality) by synchronising frequency timing. The result is deep, well-defined bass that won't overwhelm vocals or strings.

Hybrid Standby Power-Saving Mode

HDMI passthrough and network connectivity are maintained while the receiver is powered down. This facilitates use of your TV and other devices without turning on the receiver.

SPECIFICATIONS

Amplifier Section

Power Output	All Channels	110 watts minimum continuous power per channel, 8 ohm loads, 2 channels driven from 20 Hz to 20 kHz, with a maximum total harmonic distortion of 0.08% (FTC)
Dynamic Power	250 W (3 Ω Front) 220 W (4 Ω Front) 130 W (8 Ω Front)	
THD+N (Total Harmonic Distortion + Noise)	0.08% (20 Hz–20 kHz, Half Power)	
Damping Factor	60 (Front, 1 kHz, 8 Ω)	
Input Sensitivity and Impedance	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	
Rated RCA Output Level and Impedance	200 mV/2.2 kΩ (Line Out)	
Maximum RCA Output Level and Impedance	2.0 V/2.2 kΩ (Line Out)	
Phono Overload	70 mV (MM, 1 kHz, 0.5%)	
Frequency Response	5 Hz–100 kHz/±1 dB, -3 dB (Direct Mode)	
Tone Control	±10 dB, 30 Hz (Bass) ±10 dB, 20 kHz (Treble)	
Signal-to-Noise Ratio	106 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	
Speaker Impedance	4 Ω – 16 Ω or 6 Ω – 16 Ω	

Video Section

Input Sensitivity/Output Level and Impedance	Video 1.0 Vp–p/75 Ω (Component Y) 0.7 Vp–p/75 Ω (Component PB/CB, PR/CR) 1.0 Vp–p/75 Ω (Composite)	
Component Video Frequency Response	5 Hz–100 MHz/±0 dB, -3 dB	

Tuner Section

Tuning Frequency Range	FM 87.5 MHz–108 MHz AM 522 kHz–1,611 kHz 530 kHz–1,710 kHz	
FM/AM Preset Memory	40 Stations	

General

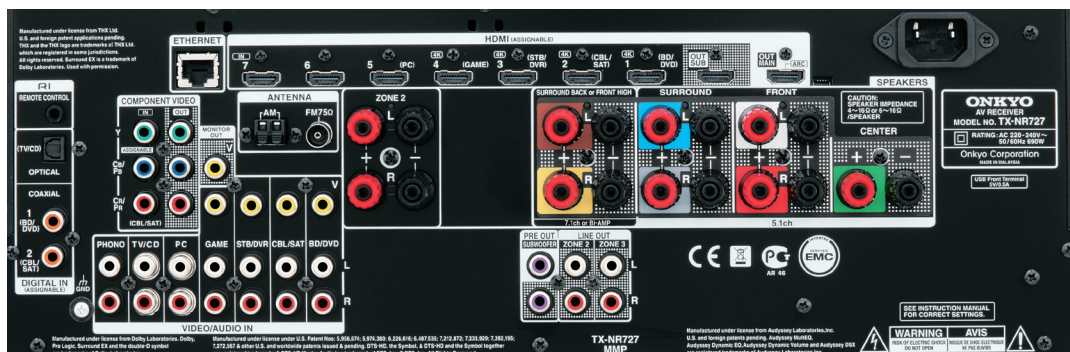
Power Supply	AC 220–240 V~, 50/60 Hz	
Power Consumption	690 W	
No-Sound Power Consumption	240 V: 80 W, 230 V: 75 W	
Standby Power Consumption	0.2 W	
Dimensions (W x H x D)	435 x 175 x 380 mm	
Weight	11.2 kg	

CARTON

Dimensions (W x H x D)	570 x 298 x 469 mm	
Weight	14.0 kg (Asian Models : 14.5 kg)	

Supplied Accessories

- Indoor FM antenna • AM loop antenna • Speaker cable labels
- Speaker set-up microphone • User Manual on CD Rom
- Quick start guide • Remote controller • AA (R6) batteries x 2



Text on receiver may vary with region.

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